IN THE CLAIMS

Please amend the claims as follows:

1. (Amended) A compound represented by formula (I):

$$X \xrightarrow{6} N \xrightarrow{2} NHR^{1} R^{3}$$

$$Y \xrightarrow{5} NHR^{2}$$

$$NHR^{2}$$

$$R^{4}$$

$$NHR^{2}$$

$$NHR^{2}$$

$$R^{4}$$

wherein

X is hydrogen, halogen, trifluoromethyl, lower alkyl, unsubstituted or substituted phenyl, lower alkyl-thio, phenyl-lower alkyl-thio, lower alkyl-sulfonyl, or phenyl-lower alkyl-sulfonyl;

Y is hydrogen, hydroxyl, mercapto, lower alkoxy, lower alkyl-thio, halogen, lower alkyl, unsubstituted or substituted mononuclear aryl, or $-N(R^2)_2$;

R¹ is hydrogen or lower alkyl;

each R^2 is, independently, $-R^7$, $-(CH_2)_m-OR^8$, $-(CH_2)_m-NR^7R^{10}$, $-(CH_2)_n(CHOR^8)(CHOR^8)_n-CH_2OR^8$, $-(CH_2CH_2O)_m-R^8$, $-(CH_2CH_2O)_m-CH_2CH_2NR^7R^{10}$, $-(CH_2)_n-C(=O)NR^7R^{10}$, $-(CH_2)_n-Z_g-R^7$, $-(CH_2)_m-NR^{10}-CH_2(CHOR^8)(CHOR^8)_n-CH_2OR^8$, $-(CH_2)_n-CO_2R^7$, or

$$(CH_2)_n$$
 O R^7 R^7

R³ and R⁴ are each, independently, hydrogen, a group represented by formula (A), lower alkyl, hydroxy lower alkyl, phenyl, phenyl-lower alkyl, (halophenyl)-lower alkyl, lower-(alkylphenylalkyl), lower (alkoxyphenyl)-lower alkyl, naphthyl-lower alkyl, or pyridyl- lower alkyl, with the proviso that at least one of R³ and R⁴ is a group represented by formula (A):



$$---(C(R^{L})_{2})_{0} ---x ---(C(R^{L})_{2})_{\overline{p}} ---Q --Q ---Q ----(R^{6})_{4}$$

$$(A)$$

wherein

each R^L is, independently, $-R^7$, $-(CH_2)_n$ - OR^8 , -O- $(CH_2)_m$ - OR^8 ,

 $-(CH_2)_n-NR^7R^{10}$, $-O-(CH_2)_m-NR^7R^{10}$, $-(CH_2)_n(CHOR^8)(CHOR^8)_n-CH_2OR^8$,

-O-(CH₂)_m(CHOR⁸)(CHOR⁸)_n-CH₂OR⁸, -(CH₂CH₂O)_m-R⁸,

 $-O-(CH_{2}CH_{2}O)_{m}-R^{8},-(CH_{2}CH_{2}O)_{m}-CH_{2}CH_{2}NR^{7}R^{10},\\$

-O-(CH₂CH₂O)_m-CH₂CH₂NR⁷R¹⁰, -(CH₂)_n-C(=O)NR⁷R¹⁰,

 $-O-(CH_2)_m-C(=O)NR^7R^{10}, -(CH_2)_n-(Z)_g-R^7, -O-(CH_2)_m-(Z)_g-R^7,$

 $-(CH_2)_n-NR^{10}-CH_2(CHOR^8)(CHOR^8)_n-CH_2OR^8$

-O-(CH₂)_m-NR¹⁰-CH₂(CHOR⁸)(CHOR⁸)_n-CH₂OR⁸,

- $(CH_2)_n$ - CO_2R^7 , -O- $(CH_2)_m$ - CO_2R^7 , -OSO₃H, -O-glucuronide, -O-glucose,

$$-O + CH_2 \longrightarrow_{m} O \longrightarrow_{R^7} R^7 \qquad -(CH_2)_n \longrightarrow_{Q} R^7$$

each o is, independently, an integer from 0 to 10; each p is an integer from 0 to 10;

with the proviso that the sum of o and p in each contiguous chain is from 1 to 10;

each x is, independently, O, NR10, C(=O), CHOH, C(=N-R10),

CHNR⁷R¹⁰, or represents a single bond;

each R⁵ is, independently, -(CH₂)_m-OR⁸, -O- (CH₂)_m-OR⁸,

 $-(CH_2)_n-NR^7R^{10}$, $-O-(CH_2)_m-NR^7R^{10}$, $-(CH_2)_n(CHOR^8)(CHOR^8)_n-CH_2OR^8$,

 $-O-(CH_2)_m(CHOR^8)(CHOR^8)_n-CH_2OR^8$, $-(CH_2CH_2O)_m-R^8$,

-O-(CH₂CH₂O)_m-R⁸, -(CH₂CH₂O)_m-CH₂CH₂NR⁷R¹⁰,

-O-(CH₂CH₂O)_m-CH₂CH₂NR⁷R¹⁰, -(CH₂)_n-C(=O)NR⁷R¹⁰,

 $-O-(CH_2)_m-C(=O)NR^7R^{10}, -(CH_2)_n-(Z)_g-R^7, -O-(CH_2)_m-(Z)_g-R^7,$

-(CH₂)_n-NR¹⁰-CH₂(CHOR⁸)(CHOR⁸)_n-CH₂OR⁸,

 $-O-(CH_2)_m-NR^{10}-CH_2(CHOR^8)(CHOR^8)_n-CH_2OR^8$,

-(CH₂)_n-CO₂R⁷, -O-(CH₂)_m-CO₂R⁷, -OSO₃H, -O-glucuronide, -O-glucose,

$$-O + CH_2 \longrightarrow O \longrightarrow R^7$$

$$-(CH_2)_n \longrightarrow O \longrightarrow R^7$$

$$O \longrightarrow OR^{11}$$

or
$$OCOR^{11}$$
 $OCOR^{11}$

each R^6 is, independently, $-R^7$, $-OR^{11}$, $-N(R^7)_2$, $-(CH_2)_m-OR^8$,

 $-O\text{-}(CH_2)_m\text{-}OR^8, \text{-}(CH_2)_n\text{-}NR^7R^{10}, \text{-}O\text{-}(CH_2)_m\text{-}NR^7R^{10},\\$

 $-(CH_2)_n(CHOR^8)(CHOR^8)n-CH_2OR^8$, $-O-(CH_2)_m(CHOR^8)(CHOR^8)_n-CH_2OR^8$,

 $-(CH_{2}CH_{2}O)_{m}-R^{8},\ -O-(CH_{2}CH_{2}O)_{m}-R^{8},\ -(CH_{2}CH_{2}O)m-CH_{2}CH_{2}NR^{7}R^{10},$

 $-O-(CH_2CH_2O)_m-CH_2CH_2NR^7R^{10}$, $-(CH_2)_n-C(=O)NR^7R^{10}$,

 $-O-(CH_2)_m-C(=O)NR^7R^{10}, -(CH_2)n-(Z)_g-R^7, -O-(CH_2)_m-(Z)_g-R^7,$

-(CH₂)_n-NR¹⁰-CH₂(CHOR⁸)(CHOR⁸)_n-CH₂OR⁸,

-O-(CH₂)_m-NR¹⁰-CH₂(CHOR⁸)(CHOR⁸)_n-CH₂OR⁸,

-(CH₂)_n-CO₂R⁷, -O-(CH₂)_m-CO₂R⁷, -OSO₃H, -O-glucuronide, -O-glucose,

$$-O + CH_2$$
 R^7
 R^7
 CH_2
 R^7
 R^7
 R^7

wherein when two R^6 are $-OR^{11}$ and are located adjacent to each other on a phenyl ring, the alkyl moieties of the two R^6 may be bonded together to form a methylenedioxy group;

each R⁷ is, independently, hydrogen or lower alkyl;

each R⁸ is, independently, hydrogen, lower alkyl, -C(=O)-R¹¹, glucuronide, 2-tetrahydropyranyl, or

each R^9 is, independently, $-CO_2R^7$, $-CON(R^7)_2$, $-SO_2CH_3$, or $-C(=O)R^7$; each R^{10} is, independently, -H, $-SO_2CH_3$, $-CO_2R^7$, $-C(=O)NR^7R^9$,

-C(=O) \mathbb{R}^7 , or -CH₂-(CHOH)_n-CH₂OH;

each Z is, independently, CHOH, C(=O), CHNR⁷R¹⁰, C=NR¹⁰, or NR¹⁰; each R¹¹ is, independently, lower alkyl; each g is, independently, an integer from 1 to 6; each m is, independently, an integer from 1 to 7; each n is, independently, an integer from 0 to 7; each Q is, independently, C-R⁵ or C-R⁶, wherein one Q is C-R⁵, C-R⁶, or a

nitrogen atom,

wherein at most three Q in a ring are nitrogen atoms;

or a pharmaceutically acceptable salt thereof, and inclusive of all enantiomers, diastereomers, and racemic mixtures thereof.

- 2. (Previously Presented) The compound of Claim 1, wherein Y is -NH₂.
- 3. (Previously Presented) The compound of Claim 2, wherein R² is hydrogen.
- 4. (Previously Presented) The compound of Claim 3, wherein R¹ is hydrogen.
- 5. (Previously Presented) The compound of Claim 4, wherein X is chlorine.
- 6. (Previously Presented) The compound of Claim 5, wherein R³ is hydrogen.
- 7. (Previously Presented) The compound of Claim 6, wherein each R^L is hydrogen.

8. (Previously Presented) The compound of Claim 7, wherein o is 4.



- 9. (Previously Presented) The compound of Claim 8, wherein p is 0.
- 10. (Previously Presented) The compound of Claim 9, wherein x represents a single bond.
- 11. (Previously Presented) The compound of Claim 10, wherein each \mathbb{R}^6 is hydrogen.
 - 12. Canceled.
 - 13. Canceled.
 - 14. (Amended) The compound of Claim $\underline{11}$ $\underline{13}$, wherein R^5 is $-(CH_2)_m$ -OR⁸.
- 15. (Previously Presented) The compound of Claim 14, which is represented by the formula:

16. (Previously Presented) The compound of Claim 14, which is represented by the formula:

01

$$\begin{array}{c|c} CI & NH & CH_2CH_2OH \\ \hline \\ H_2N & NH_2 & \end{array}$$

- 17. (Amended) The compound of Claim 11 13, wherein R⁵ is -O-(CH₂)_m-OR⁸.
- 18. (Previously Presented) The compound of Claim 17, which is represented by the formula:

$$\begin{array}{c|c} & O & NH \\ \hline & N & NH \\ \hline & NH_2 &$$

19. (Previously Presented) The compound of Claim 17, which is represented by the formula:

01

20. (Previously Presented) The compound of Claim 17, which is represented by the formula:

$$\begin{array}{c|c} & & & & \\ & & \\ & & & \\ & & & \\ & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\$$

- 21. (Amended) The compound of Claim $\underline{11}$ $\underline{13}$, wherein R^5 is $-(CH_2)_n NR^7 R^{10}$.
- 22. (Previously Presented) The compound of Claim 21, which is represented by the formula:

$$\begin{array}{c|c} & O & NH \\ \hline & N & NH_2 \\ \hline & NH_2 \\ \hline \end{array}$$

- 23. (Amended) The compound of Claim $\underline{11}$ $\underline{13}$, wherein R^5 is -O-(CH₂)_m-NR⁷R¹⁰.
- 24. (Previously Presented) The compound of Claim 23, which is represented by the formula:

$$\begin{array}{c|c} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\$$

25. (Previously Presented) The compound of Claim 23, which is represented by the formula:

$$\begin{array}{c|c} O-CH_2-CH_2NHCO_2C(CH_3)_3 \\ \hline \\ Cl & NH \\ \hline \\ NH_2N & NH_2 \end{array}$$

- 26. (Amended) The compound of Claim $\underline{11}$ 13, wherein R^5 is $-(CH_2)_n(CHOR^8)(CHOR^8)_n-CH_2OR^8$.
- 27. (Amended) The compound of Claim $\underline{11}$ $\underline{13}$, wherein R^5 is $-O-(CH_2)_m(CHOR^8)(CHOR^8)_n-CH_2OR^8$.
- 28. (Previously Presented) The compound of Claim 27, which is represented by the formula:

$$\begin{array}{c|c} O & NH \\ \hline \\ O & NH \\ \hline \\ H_2N & N & NH_2 \\ \end{array}$$

29. (Previously Presented) The compound of Claim 27, which is represented by the formula:

30. (Previously Presented) The compound of Claim 27, which is represented by the formula:

$$\begin{array}{c} O \\ O \\ NH \\ NH \\ NH_2 \end{array}$$

31. (Previously Presented) The compound of Claim 27, which is represented by the formula:

$$\begin{array}{c} O \\ O \\ NH \\ NH_2N \end{array}$$

32. (Previously Presented) The compound of Claim 27, which is represented by the formula:

al

$$\begin{array}{c|c} O & NH \\ \hline \\ NH & NH \\ \hline \\ NH_2N & NH_2 \\ \end{array}$$

- 33. (Amended) The compound of Claim 11 13, wherein R⁵ is -(CH₂CH₂O)_m-R⁸.
- 34. (Amended) The compound of Claim 11 13, wherein R⁵ is -O-(CH₂CH₂O)_m-R⁸.
- 35. (Previously Presented) The compound of Claim 34, which is represented by the formula:

36. (Previously Presented) The compound of Claim 34, which is represented by the formula:

1

37. (Previously Presented) The compound of Claim 34, which is represented by the formula:

38. (Amended) The compound of Claim $\underline{11}$ $\underline{13}$, wherein R^5 is -(CH₂CH₂O)_m-CH₂CH₂NR⁷R¹⁰.

39. (Amended) The compound of Claim $\underline{11}$ $\underline{13}$, wherein R^5 is -O-(CH₂CH₂O)_m-CH₂CH₂NR⁷R¹⁰.

- 40. (Amended) The compound of Claim $\underline{11}$ $\underline{13}$, wherein R^5 is $-(CH_2)_n-C(=O)NR^7R^{10}$.
- 41. (Amended) The compound of Claim $\underline{11}$ $\underline{13}$, wherein R^5 is -O-(CH₂)_m-C(=O)NR⁷R¹⁰.
 - 42. (Amended) The compound of Claim 11 + 3, wherein R^5 is $-(CH_2)_n (Z)_g R^7$.

- 43. (Amended) The compound of Claim 11 13, wherein R⁵ is -O-(CH₂)_m-(Z)_g-R⁷.
- 44. (Previously Presented) The compound of Claim 43, which is represented by the formula:

45. (Previously Presented) The compound of Claim 43, which is represented by the formula:

- 46. (Amended) The compound of Claim $\underline{11}$ 13, wherein R⁵ is- $(CH_2)_n$ -NR¹⁰- $CH_2(CHOR^8)(CHOR^8)_n$ - CH_2OR^8 .
- 47. (Amended) The compound of Claim 11 13, wherein R⁵ is -O-(CH₂)_m-NR¹⁰-CH₂(CHOR⁸)_n-CH₂OR⁸.
 - 48. (Amended) The compound of Claim 11 13, wherein R⁵ is -O-(CH₂)_m-CO₂R⁷.

- 49. (Amended) The compound of Claim 11 13, wherein R⁵ is -OSO₃H.
- 50. (Amended) The compound of Claim 11 13, wherein R⁵ is -O-glucuronide.

al

- 51. (Amended) The compound of Claim 11 13, wherein R⁵ is -O-glucose.
- 52. (Amended) The compound of Claim 11 13, wherein R⁵ is

$$-O \leftarrow CH_2$$
 R^7
 R^7

53. (Previously Presented) The compound of Claim 52, which is represented by the formula:

0.

$$CI$$
 N
 NH
 NH
 NH
 NH
 NH
 NH

54. (Amended) The compound of Claim 11 13, wherein R⁵ is

$$-(CH_2)_n \xrightarrow{O \qquad R^7} R^7$$

55. (Amended) The compound of Claim 11 13, wherein R⁵ is

56. (Previously Presented) The compound of Claim 55, which is represented by the formula:

 Q^{I}

57. (Amended) The compound of Claim 1, wherein

X is halogen;

Y is $-N(R^7)_2$;

R¹ is hydrogen or C₁-C₃ alkyl;

 R^2 is $-R^7$, $-(CH_2)_m$ -OR⁸, or $-(CH_2)_n$ -CO₂R⁷;

R³ is a group represented by formula (A); and

R⁴ is hydrogen, a group represented by formula (A), or lower <u>alkyl</u>. alkyl;

58. (Amended) The compound of Claim 57, wherein

X is chloro or bromo;

Y is $-N(R^7)_2$;

R² is hydrogen or C₁-C₃ alkyl;

at most three R^6 are other than hydrogen as defined above; <u>and</u> at most three R^L are other than hydrogen as defined above; <u>and</u> at most 2 Q are nitrogen atoms.

- 59. (Previously Presented) The compound of Claim 58, wherein Y is -NH₂.
- 60. (Amended) The compound of Claim 59, wherein R⁴ is hydrogen; at most one R^L is other than hydrogen as defined above; and at most two R⁶ are other than hydrogen as defined above; and at most 1 Q is a nitrogen atom.
- 61. (Previously Presented) The compound of Claim 1, wherein R⁵ is -(CH₂)_m-OR⁸.
- 62. (Previously Presented) The compound of Claim 1, wherein R^5 is -O-(CH₂)_m-OR⁸.
- 63. (Previously Presented) The compound of Claim 1, wherein R^5 is $-(CH_2)_n$ NR^7R^{10} .
- 64. (Previously Presented) The compound of Claim 1, wherein R^5 is -O-(CH₂)_m-NR⁷R¹⁰.
- 65. (Previously Presented) The compound of Claim 1, wherein R^5 is $-(CH_2)_n(CHOR^8)(CHOR^8)_n-CH_2OR^8$.
- 66. (Previously Presented) The compound of Claim 1, wherein R⁵ is -O-(CH₂)_m(CHOR⁸)_n-CH₂OR⁸.

- 67. (Previously Presented) The compound of Claim 1, wherein R^5 is $-(CH_2CH_2O)_m$ - R^8 .
- 68. (Previously Presented) The compound of Claim 1, wherein R^5 is -O-(CH₂CH₂O)_m- R^8 .
- 69. (Previously Presented) The compound of Claim 1, wherein R⁵ is -(CH₂CH₂O)_m-CH₂CH₂NR⁷R¹⁰.
- 70. (Previously Presented) The compound of Claim 1, wherein R⁵ is -O-(CH₂CH₂O)_m-CH₂CH₂NR⁷R¹⁰.
- 71. (Previously Presented) The compound of Claim 1, wherein R^5 is $-(CH_2)_n$ - $C(=O)NR^7R^{10}$.
- 72. (Previously Presented) The compound of Claim 1, wherein R^5 is -O-(CH₂)_m-C(=O)NR⁷R¹⁰.
 - 73. (Previously Presented) The compound of Claim 1, wherein R^5 is $-(CH_2)_n-(Z)_g-R^7$.
- 74. (Previously Presented) The compound of Claim 1, wherein R^5 is -O-(CH₂)_m-(Z)_g- R^7 .
- 75. (Previously Presented) The compound of Claim 1, wherein R^5 is - $(CH_2)_n$ - NR^{10} - $CH_2(CHOR^8)(CHOR^8)_n$ - CH_2OR^8 .

76. (Previously Presented) The compound of Claim 1, wherein R^5 is -O-(CH₂)_m-NR¹⁰-CH₂(CHOR⁸)(CHOR⁸)_n-CH₂OR⁸.

a

- 77. (Previously Presented) The compound of Claim 1, wherein R^5 is -O-(CH₂)_m-CO₂ R^7 .
 - 78. (Previously Presented) The compound of Claim 1, wherein R⁵ is -OSO₃H.
 - 79. (Previously Presented) The compound of Claim 1, wherein R⁵ is -O-glucuronide.
 - 80. (Previously Presented) The compound of Claim 1, wherein R⁵ is -O-glucose.
 - 81. (Previously Presented) The compound of Claim 1, wherein R⁵ is

$$-O \leftarrow CH_2$$
 R^7
 R^7

82. (Previously Presented) The compound of Claim 1, wherein R⁵ is

$$-(CH_2)_n$$
 Q
 R^7

83. (Previously Presented) The compound of Claim 1, wherein R⁵ is

0

- 84. (Previously Presented) The compound of Claim 1, wherein x is a single bond.
- 85. (Previously Presented) The compound of Claim 1, which is in the form of a pharmaceutically acceptable salt.
- 86. (Previously Presented) A pharmaceutical composition, comprising the compound of Claim 1 and a pharmaceutically acceptable carrier.
- 87. (Previously Presented) A method of promoting hydration of mucosal surfaces, comprising:

administering an effective amount of the compound of Claim 1 to a mucosal surface of a subject.

- 88. (Previously Presented) A method of restoring mucosal defense, comprising: topically administering an effective amount of the compound of Claim 1 to a mucosal surface of a subject in need thereof.
 - 89. (Previously Presented) A method of blocking sodium channels, comprising:

contacting sodium channels with an effective amount of the compound of Claim 1.

90. (Previously Presented) A method of treating chronic bronchitis, comprising: administering an effective amount of the compound of Claim 1 to a subject in need thereof.

a

- 91. (Previously Presented) A method of treating cystic fibrosis, comprising: administering an effective amount of the compound of Claim 1 to a subject in need thereof.
- 92. (Previously Presented) A method of treating sinusitis, comprising: administering an effective amount of the compound of Claim 1 to a subject in need thereof.
- 93. (Previously Presented) A method of treating vaginal dryness, comprising: administering an effective amount of the compound of Claim 1 to the vaginal tract of a subject in need thereof.
- 94. (Previously Presented) A method of treating dry eye, comprising: administering an effective amount of the compound of Claim 1 to the eye of a subject in need thereof.
 - 95. (Previously Presented) A method of promoting ocular hydration, comprising: administering an effective amount of the compound of Claim 1 to the eye of a subject.

- 96. (Previously Presented) A method of promoting corneal hydration, comprising: administering an effective amount of the compound of Claim 1 to the eye of a subject.
- 97. (Previously Presented) A method of promoting mucus clearance in mucosal surfaces, comprising:

administering an effective amount of the compound of Claim 1 to a mucosal surface of a subject.

- 98. (Previously Presented) A method of treating Sjogren's disease, comprising: administering an effective amount of the compound of Claim 1 to a subject in need thereof.
- 99. (Previously Presented) A method of treating distal intestinal obstruction syndrome, comprising:

administering an effective amount of the compound of Claim 1 to a subject in need thereof.

- 100. (Previously Presented) A method of treating dry skin, comprising:
 administering an effective amount of the compound of Claim 1 to the skin of a subject in need thereof.
- 101. (Previously Presented) A method of treating esophagitis, comprising:
 administering an effective amount of the compound of Claim 1 to a subject in need thereof.

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102. (Previously Presented) A method of treating dry mouth (xerostomia), comprising:

administering an effective amount of the compound of Claim 1 to the mouth of a subject in need thereof.

Q'

103. (Previously Presented) A method of treating nasal dehydration, comprising: administering an effective amount of the compound of Claim 1 to the nasal passages of a subject in need thereof.

104. (Previously Presented) The method of Claim 103, wherein the nasal dehydration is brought on by administering dry oxygen to the subject.

105. (Previously Presented) A method of preventing ventilator-induced pneumonia, comprising:

administering an effective amount of the compound of Claim 1 to a subject on a ventilator.

106. (Previously Presented) A method of treating asthma, comprising: administering an effective amount of the compound of Claim 1 to a subject in need thereof.

107. (Previously Presented) A method of treating primary ciliary dyskinesia, comprising:

administering an effective amount of the compound of Claim 1 to a subject in need thereof.

108. (Previously Presented) A method of treating otitis media, comprising: administering an effective amount of the compound of Claim 1 to a subject in need thereof.

Q'

109. (Previously Presented) A method of inducing sputum for diagnostic purposes, comprising:

administering an effective amount of the compound of Claim 1 to a subject in need thereof.

110. (Previously Presented) A method of treating chronic obstructive pulmonary disease, comprising:

administering an effective amount of the compound of Claim 1 to a subject in need thereof.

- 111. (Previously Presented) A method of treating emphysema, comprising: administering an effective amount of the compound of Claim 1 to a subject in need thereof.
- 112. (Previously Presented) A method of treating pneumonia, comprising: administering an effective amount of the compound of Claim 1 to a subject in need thereof.
 - 113. (Previously Presented) A method of treating constipation, comprising:

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administering an effective amount of the compound of Claim 1 to a subject in need thereof.

114. (Previously Presented) The method of Claim 113, wherein the compound is administered orally or via a suppository or enema.

a.

115. (Previously Presented) A method of treating chronic diverticulitis, comprising: administering an effective amount of the compound of Claim 1 to a subject in need thereof.

116. (Previously Presented) A method of treating rhinosinusitis, comprising: administering an effective amount of the compound of Claim 1 to a subject in need thereof.

117. (Previously Presented) A composition, comprising: the compound of Claim 1; and a P2Y2 inhibitor.

118. (Previously Presented) A composition, comprising: the compound of Claim 1; and a bronchodilator.

119. (Previously Presented) The compound of Claim 1, wherein R⁵ is selected from the group consisting of

 $-O-(CH_2)_3-OH$, $-NH_2$, $-O-CH_2-(CHOH)_2-CH_2OH$ $-O-CH_2-CHOH-CH_2OH$,

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-O-CH₂CH₂-O-tetrahydropyran-2-yl,-O- CH₂CHOH-CH₂-O-glucuronide,

-O-CH₂CH₂OH, -O-(CH₂CH₂O)₄-CH₃, -O- CH₂CH₂OCH₃,

 $-O-CH_2-(CHOC(=O)CH_3)-CH_2-OC(=O)CH_3$, $-O-(CH_2CH_2O)_2-CH_3$,

-OCH2-CHOH-CHOH-CH2OH, -CH2OH, -CO2CH3,

 Q^{I}

$$-O \leftarrow CH_2$$
 R^7
 R^7

and

$$O$$
 OR^{11}
 $OCOR^{11}$
 $OCOR^{11}$

120. (Previously Presented) The compound of Claim 1, wherein R⁵ is selected from the group consisting of para -O-(CH₂)₃-OH, para -NH₂, para -O-CH₂-(CHOH)₂-CH₂OH, ortho -O-CH₂-CHOH-CH₂OH, meta -O-CH₂-CHOH-CH₂OH, para -O-CH₂CH₂-O-tetrahydropyran- 2-yl, para -O-CH₂CHOH-CH₂-O-glucuronide, para -O-CH₂CH₂OH, para -O-(CH₂CH₂O)₄-CH₃, para -O-CH₂CH₂OCH₃, para -O-CH₂-(CHOC(=O)CH₃)-CH₂-OC(=O)CH₃, para -O-(CH₂CH₂O)₂-CH₃, -OCH₂-CHOH-CHOH-CH₂OH, para - CO₂CH₃, para -SO₃H, para -O-glucuronide, para

$$-O + CH_2$$
 R^7
 R^7

and

para

Q'

121. (Amended) The compound of Claim 119, whereinX is chloro or bromo;

Y is $-N(R^7)_2$;

R¹ is hydrogen or C₁-C₃ alkyl;

R² is hydrogen or C₁-C₃ alkyl;

R³ is a group represented by formula (A); and

 R^4 is hydrogen, a group represented by formula (A), or lower alkyl; at most three R^6 are other than hydrogen as defined above; and at most three R^L are other than hydrogen as defined above; and at most 2 Q are nitrogen atoms.

122. (Amended) The compound of Claim 121, wherein R^4 is hydrogen;

at most one RL is other than hydrogen as defined above; and

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at most two R^6 are other than hydrogen as defined above; and at most 1 Q is a nitrogen atom.

a1

123. (Amended) The compound of Claim 120, wherein

X is chloro or bromo;

Y is $-N(R^7)_2$;

R¹ is hydrogen or C₁-C₃ alkyl;

R² is hydrogen or C₁-C₃ alkyl;

R³ is a group represented by formula (A); and

 R^4 is hydrogen, a group represented by formula (A), or lower alkyl; at most three R^6 are other than hydrogen as defined above; and at most three R^L are other than hydrogen as defined above; and at most 2 Q are nitrogen atoms.

124. (Amended) The compound of Claim 123, wherein R⁴ is hydrogen; at most one R^L is other than hydrogen as defined above; and at most two R⁶ are other than hydrogen as defined above; and at most 1 Q is a nitrogen atom.